IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Nagarajan Vaidehi, et al. Art Unit : 1631
Serial No. : 09/816,755 Examiner : Cheyne D. Ly
Filed : March 23, 2001
Title : METHOD AND APPARATUS FOR PREDICTING STRUCTURE OF TRANSMEMBRANE PROTEINS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for $180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 2, 2004

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06618-606001	Application No. 09/816,755
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b))		Applicant Nagarajan Vaidehi, et al.	
		Filing Date March 23, 2001	Group Art Unit 1631

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AC	Shoichet et al., "Ligand Solvation in Molecular Docking," PROTEINS: Structure, Function, and Genetics, 34:4-16 (1999).
	AD	Vaidehi, N. et al., "Constant Temperature Constrained Moleuclar Dynamics: The Newton-Euler Inverse Mass Operator Method," J. Phys. Chem., 100:25 (1996), 10508-10517.
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	AF	Ding, et al., "The reduced cell multipole method for Coulomb interactions in periodic systems with million-atom unit cells," Chemical Physics Letters, vol. 196, no. 1,2, August 7, 1992, pp. 6-10.
	AG	Gimenez, "The composition and strucure of the neurone membrane: the molecular bases of physiology and pathology," Rev. Neurol. (Paris) 26, 232-239 *(in Spanish with English summary).*
	AH	Kiefer, et al., "Expression of an Olfactory Receptor in Escherichia coli: Purification, Reconstitution, and Ligand Binding," Biochemistry, 1996, 35, 16077-16084.
	AI	Lim, et al., "Molecular Dynamics for Very Large Systems on Massively Parallel Computers: The MPSim Program," J of Computational Chem., Vol. 18, no. 4, 501-521 (1997).
	AJ	MacKerell, Jr., et al., "All-Atom Empirical Potential for Molecular Modeling and Dynamics Studies of Proteins," J. Phys. Chem. B 1998, 102, 3586-3616.
	AK	Mathiowetz, et al., "Protein Simulations Using Techniques Suitable for Very Large Systems: The Cell Multipole Method for Nonbond Interatctions and the Newton-Euler Inverse Mass Operator Method for Internal Coordinate Dynamics," PROTEINS: Structure, Function, and Genetics,20:227-247 (1994).
	AL	Rappe, et al., "Charge Equilibration for Molecular Dynamics Simulations," J. Phys. Chem, 1991, 95, 3358-3363.
	AM	Vaidehi, et al., "Domain Motions in Phosphoglycerate Kinase using Hierarchical NEIMO Molecular Dynamics Simulations," J. Phys. Chem., 2000, 104, 2375-2383.
	AN	Williams, et al., "Empirical solvation models in the context of conformational energy searches: application to bovine pancreatic trypsin inhibitor," PROTEINS: Structure, Function, and Genetics, 14:110-119 (1992).
	AO	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	